



Nathaniel Smith, MD, MPH, Director and State Health Officer

**Communicable Diseases/Epidemiology
Influenza Weekly Report
Arkansas 2014-2015**

Week Ending Saturday 01/03/2015

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During flu season the Arkansas Department of Health (ADH) produces this Weekly Influenza Report for clinicians. The report provides information on flu activity in the state. The report also compares influenza-like illness (ILI) in Arkansas to activity in the US. ADH receives detailed reports of only a small fraction of flu cases. Therefore, it is important to understand that the information in the weekly update is representative of the timing and location of activity, but it does not reflect the overall burden of disease. It is presumed that there are many more people actually affected than the report shows.

Report Summary:

- Since September 28, 2014 (week 40), over 8,000 positive influenza antigen tests have been reported to Arkansas Department of Health by healthcare providers. Over 1,900 were received in week 53 from 73 counties.
- Among flu antigen tests that can distinguish between A and B strains, 92% were A, and 8% were B.
- About 60% of reported positive antigens were in children 18 years old or less.
- Thirty six reported samples were confirmed Positive last week for influenza by PCR testing; sixteen A+ and twenty A H3+.
- Over 14% of patients visiting emergency rooms last week were for ILI.
- Arkansas reported “Widespread” influenza activity to CDC for week 01.
- Nationwide, and for week 52, the geographic spread of influenza, 43 states reported widespread. Puerto Rico and six states reported regional activity; one state reported sporadic activity; and the District of Columbia, Guam, and the U.S. Virgin Islands did not report.
- You can view the weekly influenza report during the influenza season at:
<http://www.healthy.arkansas.gov/programsServices/infectiousDisease/Immunizations/SeasonalFlu/Pages/FluReport.aspx>

For Additional National and International Influenza Surveillance Information:

Google Flu Trends: Google Flu Trends uses aggregated Google search data in a model created in collaboration with CDC to estimate influenza activity in the United States. For more information and activity estimates from the U.S. and worldwide, <http://www.google.org/flutrends/us/#US>.

World Health Organization FluNet: Additional influenza surveillance information from participating WHO member nations is available at http://www.who.int/influenza/gisrs_laboratory/flunet/en/index.html.

CDC - Seasonal Influenza (Flu) - WeeklyReport: <http://www.cdc.gov/flu/weekly/> and flu activity surveillance: <http://www.cdc.gov/flu/weekly/fluactivitysurv.htm>

Flu near you: <https://flunearyou.org/>. Please sign up and forward to your staff!

2014-2015 Influenza CD/Epi Weekly Report (Week 53: 12/28/14 - 01/03/15)

Death Report for Week 53

- Deaths from all causes: 354
- Deaths due to Pneumonia: 17
- PCR confirmed Flu Deaths: 5
- Death Certificate or Flu Antigen only: 4

Cumulative Flu Deaths since 9/28/2014

- PCR confirmed Flu deaths: 6
- Death Certificate or Flu Antigen only: 5
- Cumulative Flu deaths: 11

ER Visits*

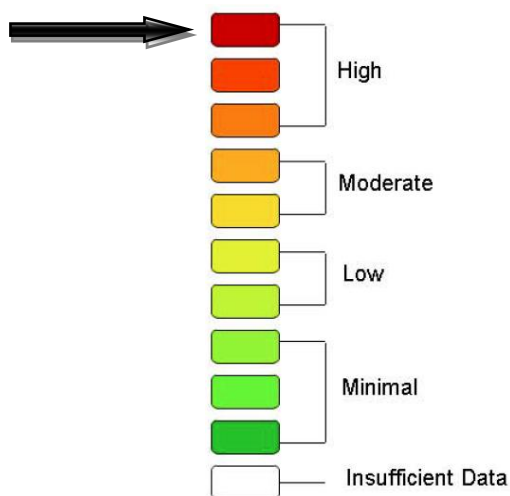
- Week Ending: 01/03/2015**
Weighted Average: 14.3% (43 Hospitals)
– Total Visits: 18,842
– Visits with ILI: 2,697
- Previous Week**
Weighted Average: 17.9% (45 Hospitals)
– Total Visits: 21,302
– Visits with ILI: 3,805

*% is the number of ILI visits*100/Total Visits

Total Flu-Related Hospital Admissions

- PCR Confirmed:**
– Cumulative: 59
– Week ending 01/03/2015: 21
- ILI or Antigen Tested (Provisional):**
– Cumulative: 667
– Week ending 01/03/2015: 212

Weekly Arkansas ILI Intensity Level Reported by Sentinel Providers



PCR Lab Confirmed Influenza

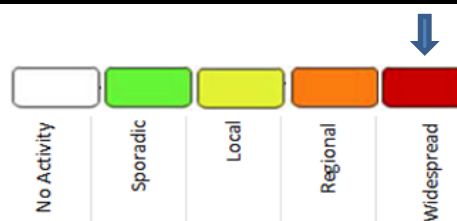
- Total Cases in September 2014: 8
- Total Cases since 09/28/2014: 188
- Week Ending 01/03/2015: 36

PCR Tests	ADH Lab Week53	Other Labs Week53	Cumulative Cases Since 9/28/2014
A+	0	16	91
B+	0	0	5
B/Victoria	0	0	7
B/ Yamagata	0	0	3
H1N1+	0	0	3
H3+	19	1	79
Unsubtypable	0	0	0
Total	19	17	188
Negative	3	--	

PCR Confirmed Influenza Cases since 09/28/2014

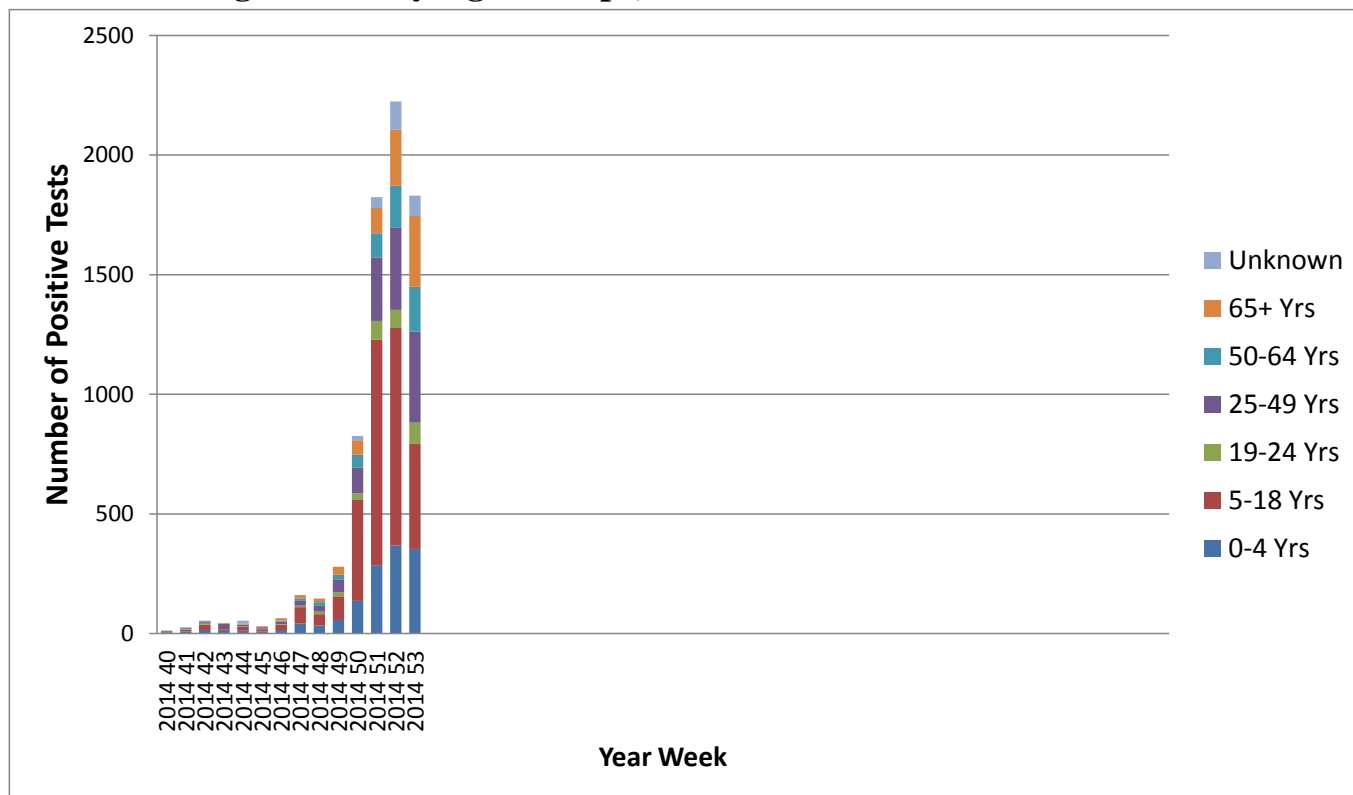
Age Groups	PCR+	Pregnant	Hospitalized	Deaths
0-4 yr	14	-	1	0
5-18 yr	41	0	4	0
19-24 yr	13	2	2	0
25-49 yr	44	4	18	1
50-64 yr	20	-	9	2
>= 65 yr	56	-	25	3
Unknown	0	0	0	0
Total	188	6	59	6

Geographic ILI Activity Level Reported for Week 53:

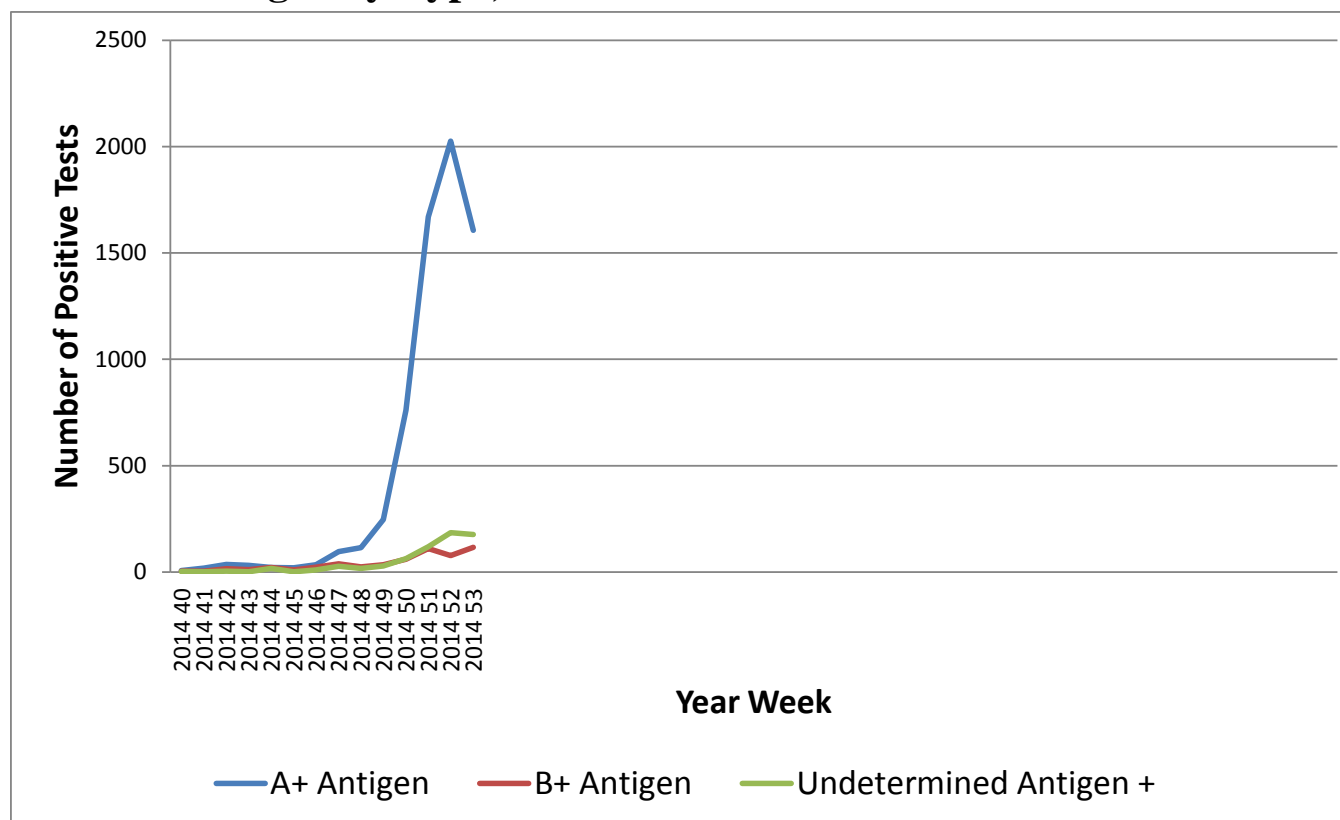


Antigen Report:

Positive Flu Antigen Tests by Age-Groups, Arkansas 2014-15

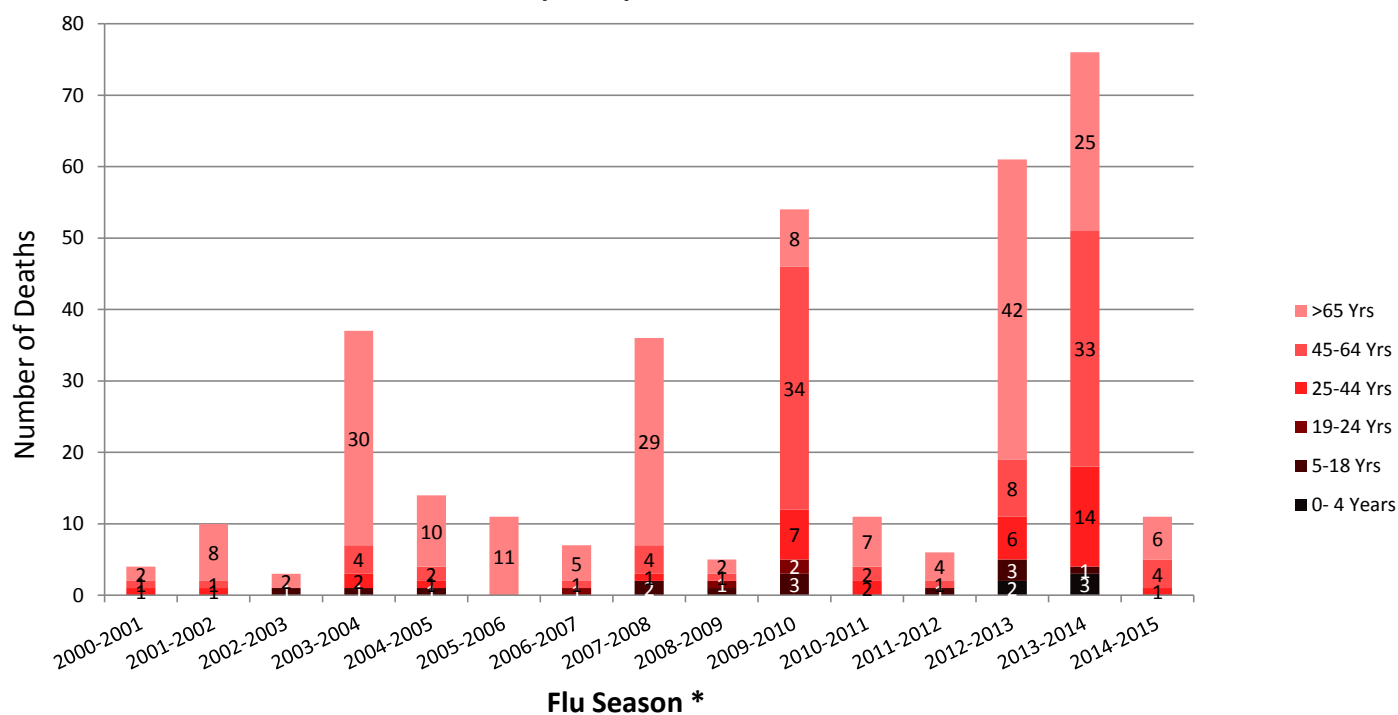


Positive Flu Antigen by Type, Arkansas 2014-15



Influenza Mortality by Age Group, Arkansas 2000-2015 (Provisional)

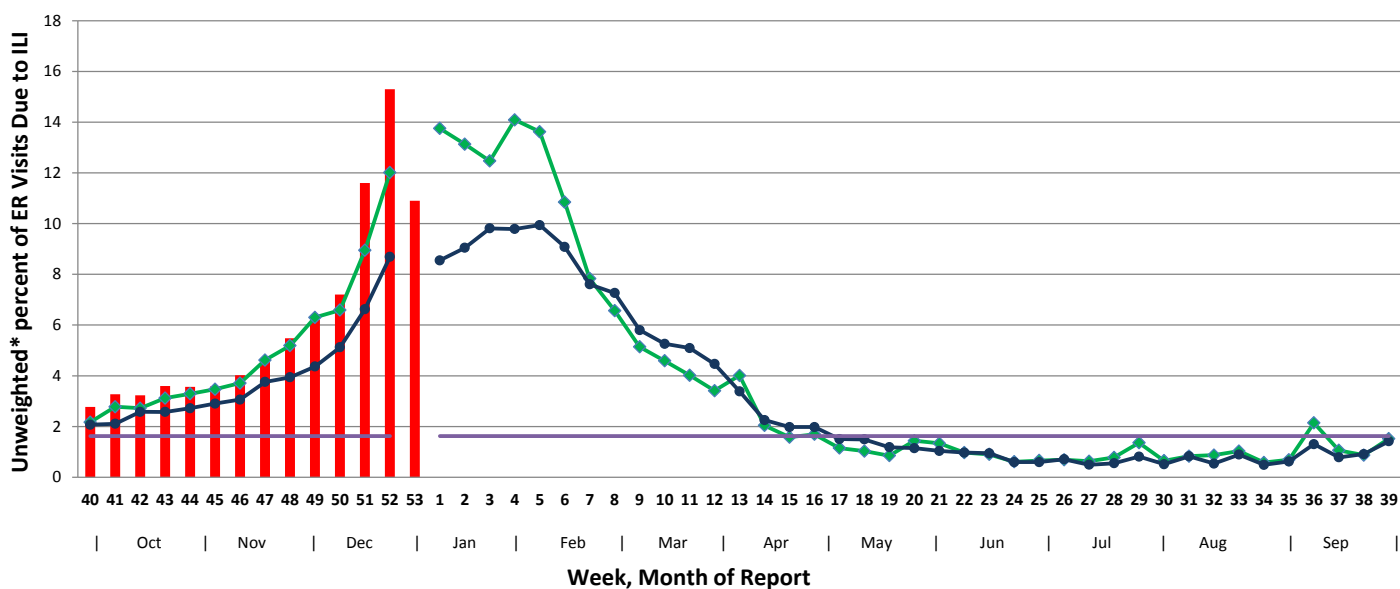
Report Updated: 01/06/2015



* All seasons range from week 40 to week 39 except 2009-2010 started week 36
Source: ADH Immunization Section, Center for Health Statistics

Hospital Report – ER Visits With Influenza-Like-Illness (ILI)

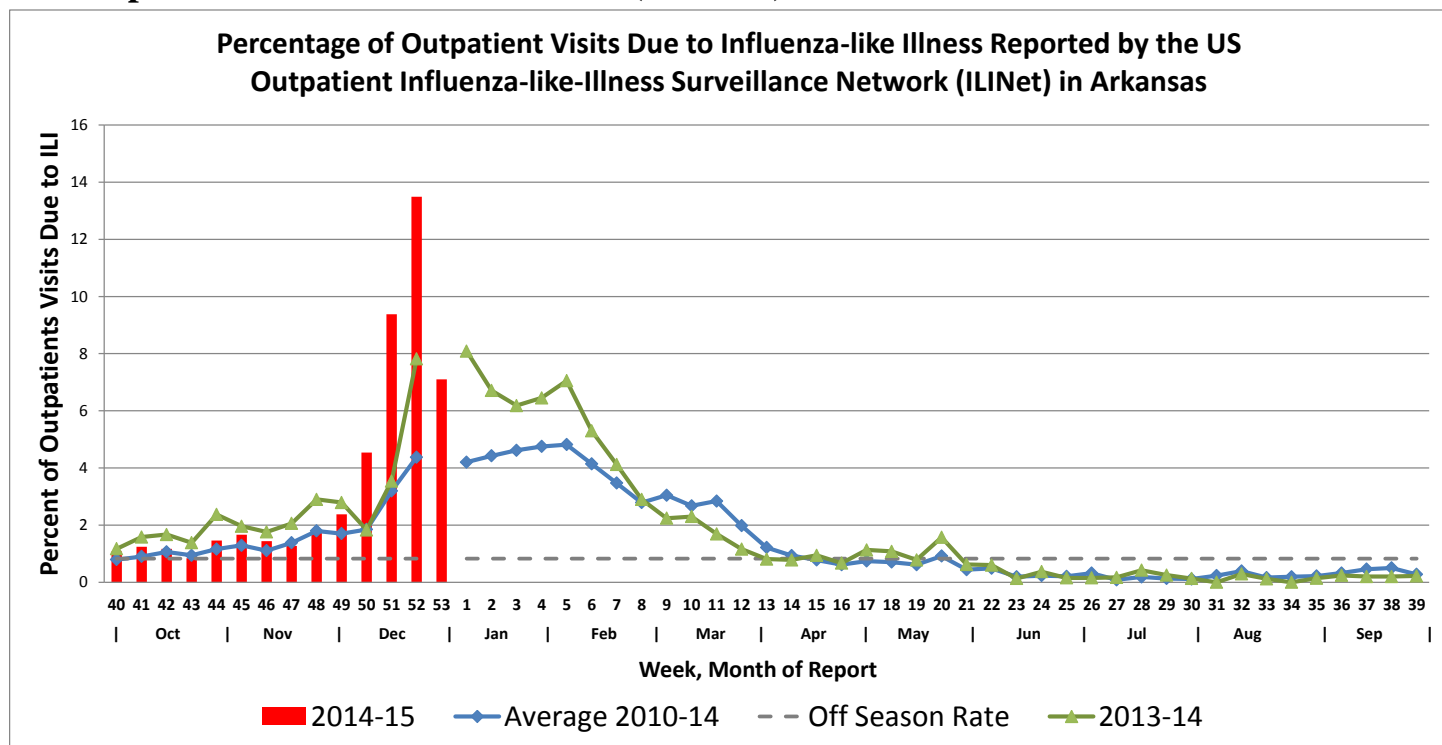
ER Visits Due to ILI, Arkansas Hospitals



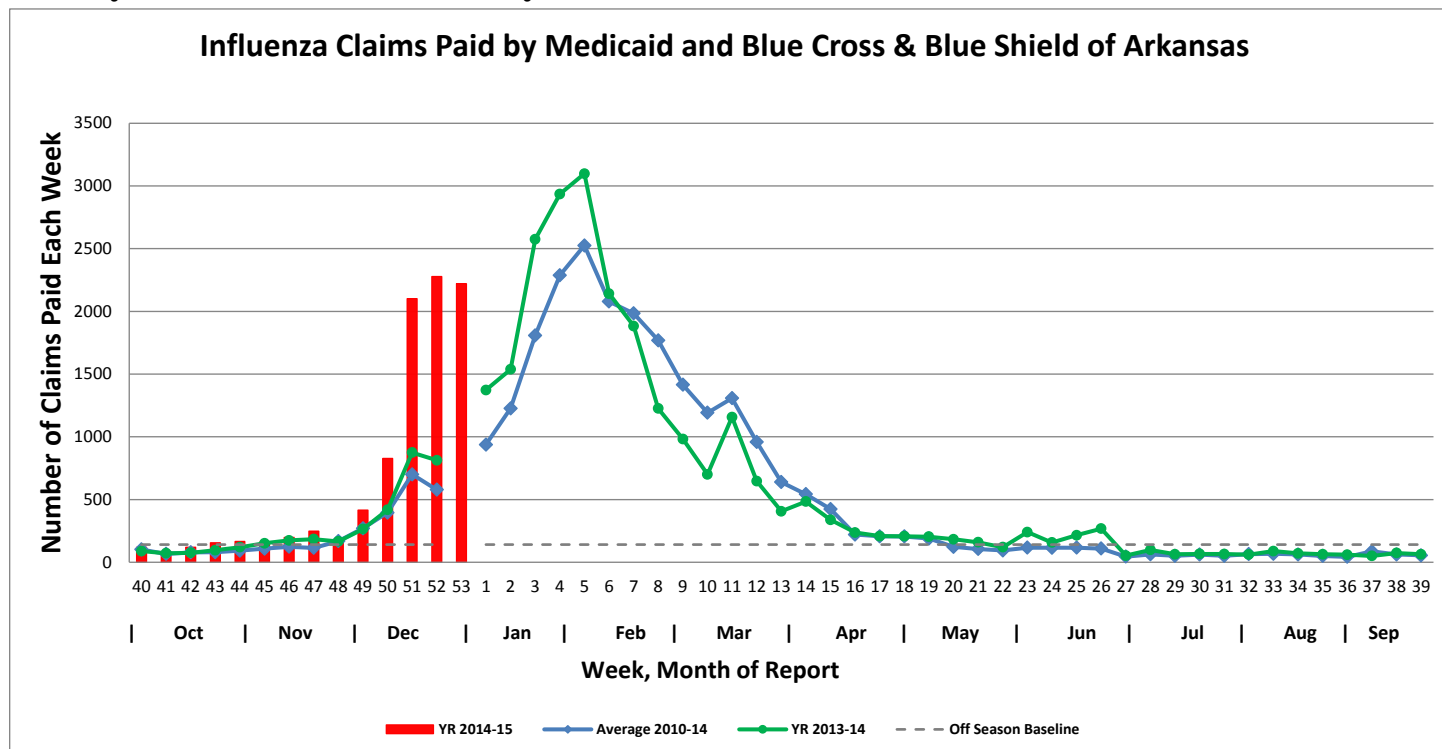
* Mean Rate of daily percent

2014-2015 2013-2014 Average 2010-2014 Off-Season Baseline

US Outpatients Influenza Surveillance (ILINET)

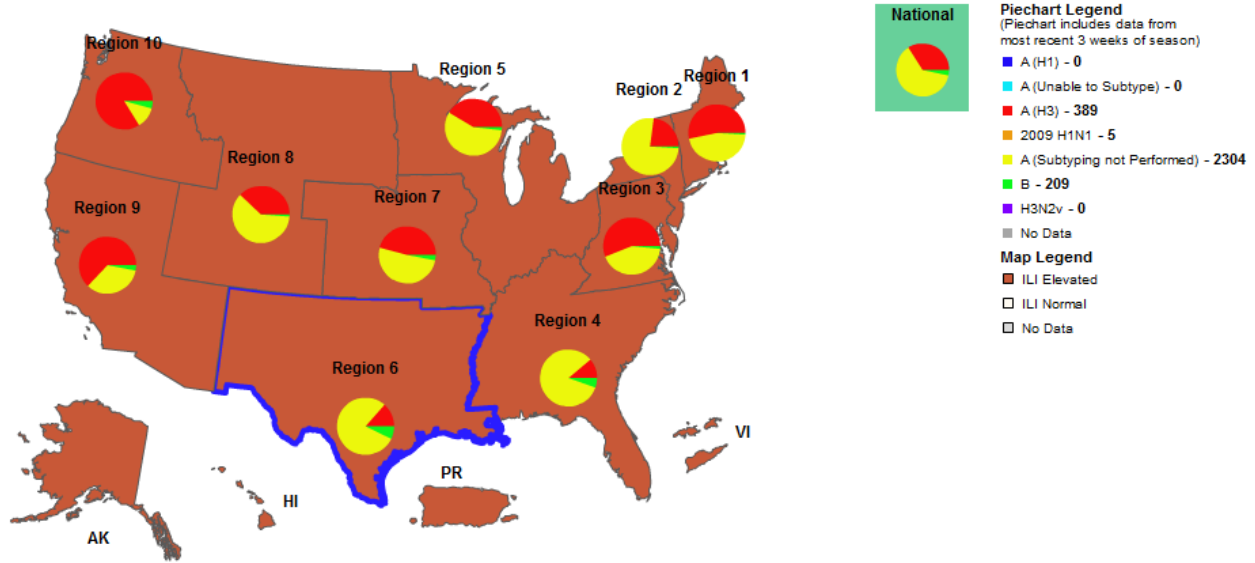


Weekly Influenza Claims Paid by Medicaid and BCBS

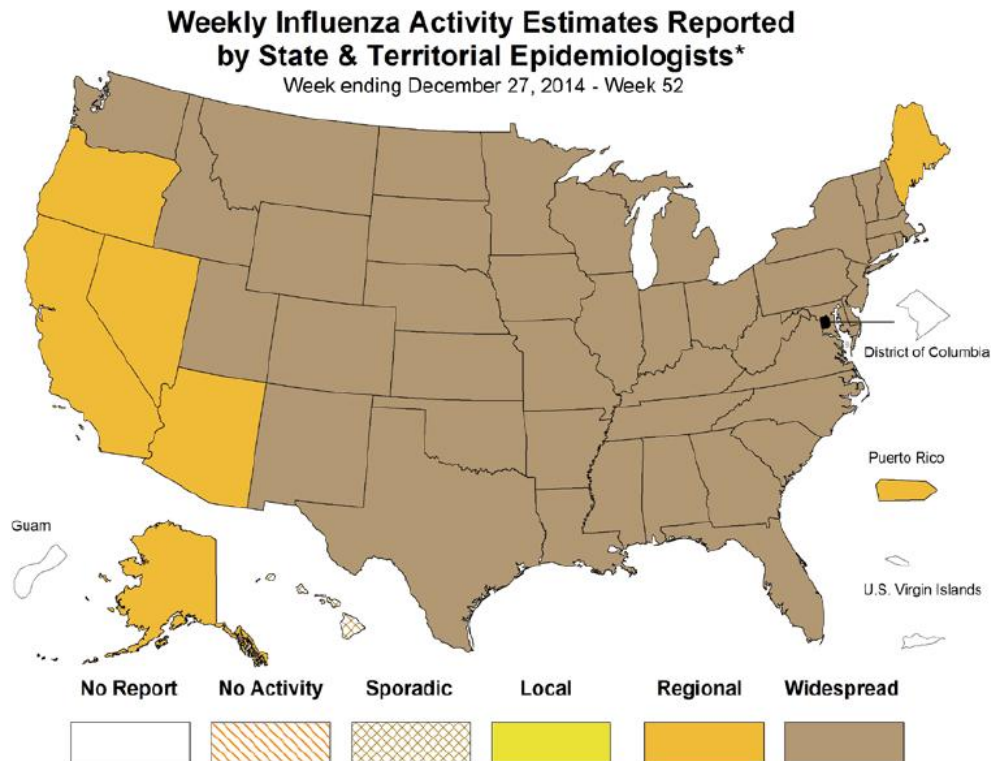


Influenza Positive Tests Reported to CDC and ILI Activity, by HHS Region, 2014-2015 Season, Week Ending Dec 26, 2014

Values in legend is for the highlighted HHS region (Region 6)



Weekly Influenza Activity Estimates Reported by State and Territorial Epidemiologists



Arkansas Flu Activity Level Reported for Week: 53: Widespread

Influenza Positive Tests Reported to CDC by U.S. WHO/NREVSS Collaborating Laboratories, National Summary, 2014-15

